FORM PTO (REV. 10/20		T OF COMM	IERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER						
7	TRANSMITTAL LET	TER	TO THE UNITED STATES	121931.00022						
			ED OFFICE (DO/EO/US)	U.S. APPLICATION NO. (If known, see 37 CFR 1.5						
	CONCERNING A FILING UNDER 35 U.S.C. 371									
INTER	NATIONAL APPLICATION		INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED						
	B03/ 01695		23 April 2003 (23.04.2003)	23 April 2002 (23.04.2002)						
	OF INVENTION RELEMENTS									
	CANT(S) FOR DO/EO/US									
David.	David A. Akerman and Morio Yamada									
Applica	Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:									
	1. This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.									
.—	This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.									
	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.									
	The US has been elected by the expiration of 19 months from the priority date (Article 31).  A copy of the International Application as filed (35 U.S.C. 371(c)(2))									
	a. is attached hereto (required only if not communicated by the International Bureau).									
	b. 🗹 has been communic	ated by 1	the International Bureau.							
	c. is not required, as the application was filed in the United States Receiving Office (RO/US).									
6. 🗹		on of the	e International Application as filed (35 U.S.	C. 371(c)(2)).						
	a. is attached hereto.		anddom 25 11 0 C 154(d)(4)							
	٠ . ت		ted under 35 U.S.C. 154(d)(4).  rnational Aplication under PCT Article 19 (	35 U.S.C. 371(c)(3))						
			d only if not communicated by the Internation	· · · · · · ·						
	<del></del>	•	the International Bureau.							
	=	•	er, the time limit for making such amendme	nts has NOT expired						
	d. 🗹 have not been made									
	<del></del>		e amendments to the claims under PCT Artic	de 19 (35 U.S.C. 371 (c)(3))						
	An oath or declaration of the			10 17 (55 6.6.6. 571 (6)(5)).						
			.,,,,,	vamination Papert under PCT						
	10. An English lanugage translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).									
	s 11 to 20 below concern do	cument(	s) or information included:							
11.	An Information Disclosure S	Statemen	nt under 37 CFR 1.97 and 1.98.							
12. 🔲	An assignment document fo	r record	ing. A separate cover sheet in compliance v	with 37 CFR 3.28 and 3.31 is included.						
13. 🔽	A FIRST preliminary amen-	dment.								
14.	A SECOND or SUBSEQUE	ENT pre	liminary amendment.	·						
15. 🔽	A substitute specification.									
16. 🔲	A change of power of attorn	ey and/o	or address letter.							
17. 🗖	A computer-readable form o	f the seq	quence listing in accordance with PCT Rule	13ter.2 and 35 U.S.C. 1.821 - 1.825.						
18. 🔲	A second copy of the published international application under 35 U.S.C. 154(d)(4).									
19.	A second copy of the Englis	h langua	age translation of the international application	on under 35 U.S.C. 154(d)(4).						
20. 🗹	Other items or information:	2. Inte	ification Concerning Submission of Tran Irnational Search Report	smittal of Priority Document						
			tten Opinion ice Informing Applicant of the Communi	cation of the International						
			ation to the Designated Offices	The state of the s						

DT01 Rec'd PCT/PTC 2 1 OCT 2004

U.S. APPLICATION NO (irknot	ル房37 <b>1</b> FR <b>2</b> 5)	106	TERNATIONAL APPLICATION NO. /GB03/: .01695	·		121931.000	
<u> </u>			GB03/ -0 1093	<del> </del>	CAJ		PTO USE ONLY
21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):							
Neither internation							
nor international se and International S	arch fee (37						
International prelim USPTO but Interna	ninary exami ational Searc						
International prelim	ninary exami arch fee (37	o USPTO \$770.00					
International prelim but all claims did no	ninary exami						
International prelim	fied provisio			1			
ENTE	R APPRO	\$	920.00				
Surcharge of \$130.0 months from the ear	0 for furnish liest claimed	\$	130.00				
CLAIMS	NUMBER	FILED	NUMBER EXTRA	RATE	\$		
Total claims	29	- 20 =	9	x \$18.00	\$	162.00	
Independent claims	3	- 3 =	0	x \$86.00	\$	.00	
MULTIPLE DEPEN	DENT CLA	IM(S) (if ap	plicable)	+ \$290.00	\$	<del></del>	
			OF ABOVE CALCU		\$ 1,	,212.00	
Applicant claim are reduced by		indicated above +	\$				
		UBTOTAL =	\$ 1	,212.00			
Processing fee of \$1 months from the ear	30.00 for fulliest claimed	rnishing the priority date	English translation later t e (37 CFR 1.492(f)).	han 20 30	\$		
		\$ 1	,212.00				
Fee for recording the accompanied by an a	e enclosed as	\$					
		\$ ·1	,212.00				
			TOTAL FEES E			ount to be refunded:	\$
		<u>.</u>				charged:	\$
a A check in	the amount	of \$	to cover t	he above fees is enclo	sed		
b. Please char A duplicate	ge my Depo	sit Account s sheet is end		the amount of \$ 1,2	212.00	to cover tl	he above fees.
c. The Comm	issioner is h	ereby author	ized to charge any addition. 17-0055 . A duplic	onal fees which may b	e requ	aired, or credit	any
d. Fees are to	be charged	to a credit ca	ard. WARNING: Inform	nation on this form ma	y bec	ome public. C	
information	should not	be included	on this form. Provide of	credit card information	n and	authorization of	on PTO-2038.
			under 37 CFR 1.494 or I to restore the applicati			petition to rev	ive (37 CFR
SEND ALL CORRESPO	ONDENCE TO	) <u>:</u>			A/h/	1-1/2	
727							<del></del>
Quarles & Brady Streich Lang 11 P							
One South Church Avenue, Suite 1700					. MIIC	zarek-Desai	
Tucson, AZ 83701							
520-770-8700 Pł	nne			45,801			
520-623-2418 Fa		ATION	INUMBER				



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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: David A. Akerman, Morio Yamada

DOCKET NO.: 121931.00022

INTERNATIONAL APPL. NO.: PCT/GB03/001695

INTERNATIONAL FILING DATE: 23 April 2003 (23.04.2003)

PRIORITY APPLICATION: GB 0209183.3

PRIORITY DATE CLAIMED: 23 April 2002 (23.04.2002)

TITLE: "Filter Elements"

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Quarles & Brady Streich Lang LLP

1 S. Church Ave., Suite 1700

Tucson, AZ 85701 520-770-8700 Phone

520-623-2418 Fax

## CERTIFICATE OF MAILING

I hereby certify that the items listed below are being deposited with the United States Postal Service utilizing the "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service, mailing label number EV 432642877 US, under 37 CFR 1.10 in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the Aday of October, 2004.

Kathleen C. Tennant

Enclosed are:

[X] Itemized return postcard
[ ] Check in the amount of \$ to cover the prescribed fees
[X] Transmittal Letter to the U.S. Designated/Elected Office (DO/EO/US) Concerning a Filing
Under 35 U.S.C. 371
[ ] Declaration for Inventorship
[X] Substitute specification of the invention, claims and abstract
[X] Preliminary Amendment
[ ] Power of Attorney
Statement Under 37 CFR 3.73(b)
[ ] Assignment Agreement and Recordation Cover Sheet
[X] Information Disclosure Statement and copies of prior art.
[X] Copy of: - Notification Concerning Submission of Transmittal of Priority Document

- International Search Report
- Written Opinion
- Notice Informing Applicant of the Communication of the International Application to the Designated Offices